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Collana	Information Systems and Applications, incl. Internet/Web, and HCI ; ; 13167
Disciplina	006.312
Soggetti	Data mining Computer engineering Computer networks Application software Machine learning Data Mining and Knowledge Discovery Computer Engineering and Networks Computer and Information Systems Applications Machine Learning
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Data Science: Systems -- Big Data Management for Policy Support in Sustainable Development -- Development of the Research Data Archive at OIST -- Symbolic Regression and Graph Neural Networks for Interpretable Scientific Discovery -- A front-end framework selection assistance system with customizable quantification indicators based on analysis of repository and community data -- DATA SCIENCE: Architectures -- Autonomous real-time science-driven follow-up of survey transients -- Deep Learning Application for Reconstruction of Large-Scale Structure of the Universe -- Identification of Distinctive Behavior Patterns of Bots and Human Teams in Soccer -- Cosmic density field reconstruction with a sparsity prior using images of

distant galaxies -- Big Data Analytics in Domain-Specific Systems -- Blockchain Enabled System for Interoperable Healthcare -- Skin cancer recognition for low resolution images -- Forecasting AQI data with IoT Enabled Indoor Air Quality Monitoring System -- Journey of Database Migration From RDBMS to NoSQL Data Stores -- Information Interchange of Web Data Resources -- Cascaded Anomaly Detection with Coarse Sampling in Distributed Systems -- Video Indexing System based on Multimodal Information Extraction using combination of ASR and OCR -- GA-ProM: A Genetic Algorithm for Discovery of Complete Process Models from Unbalanced logs -- Experimenting with Assamese Handwritten Character Recognition -- Business Analytics -- Approximate Fault-tolerant Data Stream Aggregation for Edge Computing -- Internet of Things Integrated with Multi-level Authentication for Secured IoT Data Stream through TLS/SSL Layer -- Enhanced Bond Energy Algorithm for Vertical Fragmentation of IoT Data in a Fog Environment -- Approximate Query Processing with Error Guarantees. .

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### Sommario/riassunto

This book constitutes the proceedings of the 9th International Conference on Big Data Analytics, BDA 2021, which took place virtually during December 7–9, 2021. The 15 full papers and 1 short paper included in this volume were carefully reviewed and selected from 60 submissions. They were organized in topical sections as follows: Data science: systems; data science: architectures; big data analytics in healthcare support systems, information interchange of web data resources; and business analytics.

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